MISCELLANEOUS.

131. Proposed by SAUL EPSTEEN, Ph. D., Professor of Mathematics, University of North Carolina.

Find a power series for π^{nx} (n=any integer).

132. Proposed by M. A. GRUBER, A. M., War Department, Washington, D. C.

Six officers of different grades (1, 2, 3, 4, 5, 6) from each of six branches of the army (a, b, c, d. e, f) are to be arranged in a square so that each rank and each file shall have an officer of each grade and each branch. Can it be done? If not, prove it. The arrangement of five officers of each kind is easy.

133. Proposed by HARRY S. VANDIVER, Bala, Pa.

If a group G of order mn has a subgroup H of order n, and if n has no prime factor which is less than m, show that H must be a self-conjugate sub-group. (Frobenius.)

134. Proposed by F. P. MATZ, Sc. D., Ph. D., Professor of Mathematics and Astronomy in Defiance College, Defiance, Ohio.

Give a complete solution of the Jacobian equation $\kappa^2 \mathrm{sn}^4 u + 2\kappa^2 \mathrm{sn}^2 u + 1 = 0$.

BOOKS AND PERIODICALS.

Accounting and Business Practice. By John H. Moore, Commercial Department, Boston High School, and George W. Miner, Commercial Department, Westfield (Mass.) High School. 8vo. Cloth, 400 pages. List price, $1.50; mailing price, $1.55. Boston: Ginn & Co.

"Accounting and Business Practice is a thorough, practical, and comprehensive text for the use of teachers and students of book-keeping. It is intended for use in high schools, private schools, and all institutions where accounting is taught, and is well adapted for teaching by correspondence. Attractive blank books and business forms accompany the text. The work is arranged in the following general divisions: Introductory, presenting a series of definite lessons for beginners embracing lesson outlines, exercises for class drills, two brief sets in elementary accounting, and two sets for business practice. Intermediate, presenting the subject of drafts, three sets of more advanced business practice, introducing the use of special columns, and auxiliary ledgers. Advanced, containing three sets, single entry, corporation accounting (a set on manufacturing), and banking.

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The Universal Solution for Numerical and Literal Equations by which the Roots of Equations of All Degrees can be expressed in terms of their Coefficients. By M. A. McGinnis. 8vo. Cloth, 194 pages. Price, $2.00. Kansas City: The Mathematical Book Co.

We cannot praise this book very highly for the merit it possesses, since the really meritorious part of the book deals with matter quite irrelevant to what the work professes